

Welcome to the 22nd Annual...

Trenton Computer Festival

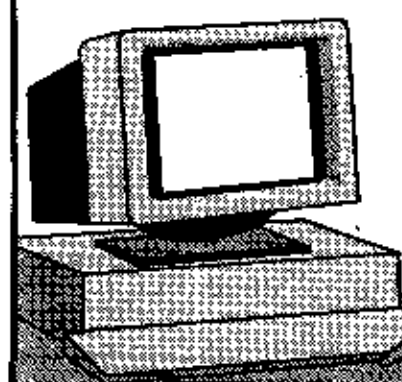
April 26-27, 1997

Saturday 10AM to 6PM

Sunday 10AM to 4 PM

Flea Market opens 1 hour earlier

INTERNET/World Wide Web Cafe
Seminars, Forums, Talks by leading experts
Commercial Booths
National Exhibitors
FLEA MARKET
Banquet



World's Longest
Running Computer Show



Welcome to TCF-97

The sponsors of the 22nd Trenton Computer Festival invite you to attend the talks (see the grid on pages 4 and 5), shop till you drop in the Flea Market, and the indoor sales areas (see the map on the back of this program), attend the keynote address in Kelsey Theater Saturday afternoon, join us at the banquet Saturday

night, meet old friends and make new ones and just plain hang out at this year's festival and annual gathering of computer professionals and aficionados.

Need Help? Ask anyone with a TCF-97 emblem on their cap or a person wearing an orange vest in the Flea Market!

Sponsors

Mercer County Community College
Amateur Computer Group of New Jersey
The College of New Jersey
Central Jersey Computer Club
New York Amateur Computer Club
Computer Education Society of Philadelphia
IEEE/ACM Princeton Central Jersey Section

Keynote Address

Dennis C. Hayes, Chrm., D.C. Hayes Assoc.

Saturday, April 26, 2:45 pm

"The Future of High Speed Internet Communications"



Dennis C. Hayes invented the PC modem in early 1977 and defined the standard that today is used by every modem manufacturer. In 1977 he founded the company which bears his name. The company is now making an aggressive bid to move the modem market to faster speeds by

offering \$99 upgrades from any vendor's modems to Hayes 56Kbps Accura modems.

Saturday Special Featured Technical and

Banquet Speaker

Philip Zimmermann,

CEO, Pretty Good Privacy

Saturday, April 26, 11:15 am

"Cryptography"

Philip Zimmermann is the creator of PGP (Pretty Good Privacy), the most widely used program in the world for e-mail encryption. He also is a leading advocate for public access to strong cryptography and is a leading advocate for public access to strong cryptography.

Saturday Special Featured Technical Speaker

Bjarne Stroustrup, AT&T Research

Saturday, April 26, 12:45 pm

"Foundations for Native C++ Styles"

Bjarne Stroustrup is the designer and original implementor of C++ and the author of "The C++ Programming Language," and "The Design and Evolution of C++." He is the head of AT&T's Large-scale Programming Research department, an AT&T fellow, and an AT&T Bell Laboratories Fellow. He is recipient of the 1993 ACM Grace Murray Hopper award and ACM fellow.

Banquet
Saturday, April 26, 7:00 pm
The College of New Jersey
Traversa Wolf Hall
Banquet Speaker
Philip Zimmermann
"Privacy on the Internet"
Master of Ceremonies
Sold Out
Tickets are available for \$10.00 at the door or by mail.
Reserve tickets on business form now.

Festival Information

Food and Refreshments

Refreshment stands are located west of the Library, east of the Physical Education Building near the main ticket tent, and in the Flea Market area. Food may also be purchased in the Cafeteria in the Student Center (see map on the back of the program book).

Restrooms

Portable facilities are located west of the Flea Market near the ticket booth. In the Math and Science and Liberal Arts buildings, the restrooms can be found near the staircases at the ends of and between the paired buildings. Restrooms in the Physical Education building are at the entrance to the exhibit area.

Purchase Pickup

You may leave large purchases with a TCF volunteer at the Flea Market loading zone (see map on the back cover). The volunteer will watch your purchases while you get your car. Enter the college grounds via Old Trenton Road. Turn right toward the Flea Market and drive to the loading zone where you left your packages. You MAY NOT leave your car in the loading zone.

Shuttle Bus

The free shuttle bus running at regular intervals between the parking area in Mercer County Park and the MCCC Campus can be boarded in front of the Physical Education Building. You may request the driver to drop you off anywhere along the route through the park.

First Aid

First Aid volunteers and Emergency Service personnel are located in the grassy area next to the Theater Building or in the Theater parking lot (in case of rain). Just check in at their tent or at one of the ambulances if you need assistance.

Flea Market

The Flea Market opens at 9 AM, Sunday afternoon, as the festival wraps up, is a good time to get many of those last minute bargains.

Shopping

Computer product retailers have their wares for sale in the Student Center on the first and second floors and in the Physical Education Building. In addition, hardware and software manufacturers and developers are exhibiting their products on the first floor of the Student Center and in the Communications Building Lobby.

Talks and Forums

Talks are scheduled for one hour with 15 minutes between sessions. Please be courteous to the attendees of the next session by exiting promptly at the close of each hour. Room numbers and times are listed on the Program Grid on pages 4 and 5. Abstracts of the talks and speaker biographies follow.

Internet for Kids Tickets

Space at the Internet for Kids sessions is extremely limited and tickets will be required for admission. Pick up tickets at the table in the lobby of the Student Center.

User Groups

Organized user group meetings, scheduled on Sunday, are open to all TCF attendees. User Group representatives can be found at tables on the second floor of the Student Center.

TCF Mailing List

In the lobby of the Physical Education Building or the Student Center, a TCF Staff Member will gladly take your name and address and enter it into the TCF Mailing List.

Special Needs

American Sign Language signers are available for the hearing impaired for the talks and forums. Those persons needing signers for assistance should check in at the signing table in the lobby of Kelsey Theater.



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TCF '97

AT MERCER COUNTY COMMUNITY COLLEGE

26 April 1997

Saturday

10am*—6pm

27 April 1997

Sunday

10am*—4pm

* Flea market opens 1 hour earlier

Saturday Talks

Bldg./Room	CM-109	CM-107	CM-110	CM-108	LA-229	LA-234	MS-214	LA-237	LA-239	LA-211
Saturday	Computer Graphics Theater	Internet for Senior Citizens	Doing Business on the Internet	Introduction to the Internet (Video)	AutoCAD R13 for Beginners & Novices (2-hr Tutorial)	Desktop Publishing Basics	Partition Magic 3.0	Introduction to C++		Computers and Major League Baseball
10:00a		High Speed Internet Access Using Cable	Building an Affordable Presence on the Internet			Desktop Publishing Basics (Repeat)				
11:15a			Getting Published on the Web		How to Use Your Database with Other Applications	Publishing a Newsletter Using MS Publisher		Easy CGI Scripting with Tcl	Current State of Java Technology	Genealogical Computing
12:30p	Introduction to Computer Graphics	Beginners Guide to the Internet			AutoCAD in the Tool and Die Industry	Word Processing and Typesetting	Network Computing	Automating Interactive Programs with Expect	Java vs C++: A Comparison	Using a Computer as an Investment Tool
1:45p		Marketing on the Internet								
2:45p	KEYNOTE ADDRESS Dennis Hayes, Founder and CEO of Hayes Microcomputer Products, Inc. will talk on "The Future of High Speed Internet Communications", in the MCCC Kelsey Theatre									
3:30p	Latest Video Game Machines: Nintendo 64	Internet for Senior Citizens	Bring a Home-Based Business to the Internet	New Features in AutoCAD Release 14	Lotus Domino 4.5 Powered by Lotus Notes	MS PowerPoint for Windows	Managing the Desktop with Windows	Introduction to Object Programming	Java: More than Coffee — In-Depth Discussion	Computer-Mediated Focus Groups
4:45p	Paint Programs Revisited	Web Page Marketing Basics	How to Make Money with Your Computer			Word Processing Plus	qmail — A sendmail replacement for Your Unix System	C++ Templates	Introduction to Inheritance in Java	

ABBREVIATIONS:

AD = Administration Building
 BS = Business Science Building
 CM = Communications Center
 LA = Liberal Arts Building
 MS = Math & Science Building

Sunday Talks and Forums

Bldg./Room	CM-107	CM-110	CM-108	LA-229	LA-234	LA-237	LA-239	CM-109	MS-214
Sunday	Internet Explorer 3.0	Doing Business on the Internet	Introduction to the Internet (Video)	Digital Photography — An Overview	Typography and Publishing	Introduction to BASIC Programming (Numerics)	Control the World from Your Computer	AutoCAD R13 for Beginners & Novices (2-hr Tutorial)	Macintosh Users Forum
10:30a									
11:45a	Microsoft Office 97	Building an Affordable Presence on the Internet	Continuous Showings	What's Up: Computers & Kids in an Inner City High School	Introduction to Oracle Databases	Introduction to BASIC Programming (Strings)			
1:00p	Web Page Marketing Basics	Getting Published on the Web		Stiff Necks and the Computer Professional	Label Programs Revisited	Managing the Desktop with Windows	Introduction to Windows 95	Starting a Small User Group	PC Users Forum
2:15p		Internet for Senior Citizens		The Care and Feeding of Older Computers	Paint Programs Revisited				

and Forums

26 April 1997

Saturday

10am*—8pm

27 April 1997

Sunday

10am*—4pm

* Flea market opens 1 hour earlier

TCF'97

TRENTON COMPUTER FESTIVAL™

AT MERCER COUNTY COMMUNITY COLLEGE

Bldg./Room →	MS-208	MS-215	MS-205	MS-210	MS-207	MS-204	MS-172	MS-132,170	MS-165	MS-164
Saturday	What's Up: Computers & Kids in an Inner City High School	Microsoft BackOffice	GPS Geographical Positioning System - Never Get Lost Again	Installation & Maintenance of Desktop Computers	DOS Basics	Introduction to Windows 95	CP/M and Z-System Conference	Amateur Radio License (VE) Testing from 10:00am to 3:00pm	Amateur Packet Radio Sysop's Meeting	No-Code Amateur Radio Licensing Cram Session
10:00a			Software Tools for the RF Engineer	Modems in the Information Age	PC Hardware for Beginners					
11:15a	Search the Internet for Your Next Job						Informal Sessions including talks on Z-System Software and New High-Tech CP/M Hardware and Current State of 8-bit Commodore Computers (Talk Schedules will be determined at the Conference)		Packet TCP/IP Network Management	
12:30p	Careers in Networking	Networking a Small Business	Polling People and Switches with Your PC	Scanning & Image Processing on Photocopiers	Getting Started with Word Processing on Microcomputers	How to Buy a PC (Buying the Computer)		Last License Test Starts at 2:00pm	Packet NET ROM Network Management	Introduction to Packet Radio
1:45p	How to Become a Successful Consultant	Advances in Windows NT Operating Systems		How Computers Hear	Building Your Own IBM-Compatible PC	How to Buy a PC (Buying Peripherals)			(Schedule will be Posted Outside Room.)	Discussion of Advanced Topics in Packet Radio
2:45p	KEYNOTE ADDRESS Dennis Hayes, Founder and CEO of Hayes Microcomputer Products, Inc. will talk on "The Future of High Speed Internet Communications", in the MCCC Kelsey Theatre									
3:30p	Stiff Necks and the Computer Professional	Network Hardware	Control the World from Your Computer	Common Modem Problems and Solutions		Computing 001 for Those Not Ready for Computing 101				
4:45p	How to Make Money with Your Computer	Introduction to Local Area Networks				Beginning Computer Basics				

Bldg./Room →	MS-215	MS-211	MS-132, 170
Sunday	Users Group Sessions	Users Group Sessions	Amateur Radio
10:30a	DEC Rainbow Users Forum	Apple II Users Forum	
11:45a	Why Belong to a Group: Getting the Most from Your Macintosh	Atari 8-bit Users Forum	Amateur Radio License (VE) Testing from 10:30am to 2:30pm
1:00p	C-64 & C-128: Commodore's 8-bit Orphans		Last License Test Starts at 1:30pm
2:15p			

Saturday and Sunday

INTERNET CAFE

Room AD-233

Saturday

10:30am to 4:30pm

Sunday

10:30am to 2:00pm

Free Access to

the World Wide Web

Continuous 10-minute exploratory sessions for those who have never before experienced the World Wide Web.

First-come, First Served

Look for signs
"To the Internet Cafe"

Saturday

FEATURED TECHNICAL SPEAKERS:

PHIL ZIMMERMAN

11:15am to 12:30pm — MCCC Kelsey Theatre
Phil Zimmerman, CTO of Pretty Good Privacy, Inc.
will talk on "Cryptography"

BJARNE STROUSTRUP

12:45pm — MCCC Kelsey Theatre
Bjarne Stroustrup, AT&T Research,
Designer and Implementer of the C++ Language,
will talk on "Foundations for Native C++ Styles"

Saturday Special Events:

HANDS-ON COMPUTER LAB FOR KIDS

11:30am to 1:30pm — AD-204

Hands-on computer interaction featuring the latest software for children.
— Space Limited —

WEB SITES FOR KIDS

2:00pm to 4:00pm — AD-234

Kids will browse exciting web sites suitable for children of age 15 and under.
— Space Limited —

SATURDAY EVENING BANQUET

7:00pm — Travers-Wolf Hall

at The College of New Jersey
(formerly known as Trenton State College)
on Route 31, Ewing Township, NJ

Banquet tickets are available for purchase in the Student Center Lobby on Saturday.
The banquet speaker is Phil Zimmermann, Chairman, CTO and Founder of PGP, Inc., who will talk on "Privacy on the Internet"

National Exhibitors

Including Internet Providers You May Find at TCF-97

List is subject to change

- ☐ 7 Th Level
- ☐ Connectix
- ☐ Computer Associates
- ☐ Creative Labs
- ☐ Dragon Systems
- ☐ IBM
- ☐ Intel
- ☐ Intuit
- ☐ MGI Software
- ☐ NuNET
- ☐ O'Reilly and Associates
- ☐ Parsons Technology
- ☐ PGP Pretty Good Privacy
- ☐ Power Quest
- ☐ Sony
- ☐ Symantec
- ☐ TLAC
- ☐ Transparent Languages
- ☐ US Robotics

TCF-97 Steering Committee

Allen Katz	TCF Director, TCNJ
Scott Vincent	TCF Director, ACGNJ
Richard Brill	National Exhibitors, NTC
Alex Czeto	Registration, TCNJ
Sheldon Rosenberg	
Jerry Entin	Exhibitor Sales, ACGNJ
William Farrell	
Neil Sanford	Publicity, ACGNJ
Carl Galletti	Graphics
Eric Hafler	Program Grid, CESoP
Bob Todd	
Lee Le'Mon	Speaker Program, CESOP
Hank Kee	Keynote Speaker, NYACC
Jack Lacy	Treasurer Facilities, MCCC
Lennie Libes	Speaker Registration, Banquet
	Proceedings Book , Banquet MC, ACGNJ
Sol Libes	
Steve Short	
Lee Le'Mon	Flea Market, CESoP
Phillip Moos	Interpreters for the Deaf
Karen Kilcoyne	Program Book ACM/IEEE
Michael Moreno	Publicity , NYACC
John Raff	Audio/Visual, ACGNJ
Al Riederer	Registration , TCNJ
Keith Sproul	
Frank Warren	Volunteers, ACGNJ
Bill Klotz	Information, CCNJ

In Memoriam

We remember with respect, John Hampton, Trenton Computer Festival '96, past speaker chair who passed away this fall.



Trenton Computer Festival Speaker Program

Graphics

Communications Center, Room CM 109

10:00 AM (two hours)

Computer Graphics Theater

Jeff Posdamer

This year Jeff will be showing some of the latest computer generated films that were shown at the ACM SIGGRAPH Conference. Films will cover all aspects and technologies of computer graphics.

12:30 PM (two hours)

Introduction to Realistic Computer Graphics

Douglas Dixon

A visual introduction to the history and development of the graphics field, using images from the ACM SIGGRAPH Conference slide sets to illustrate the ideas and methods of computer animation. These include modeling of three-dimensional objects, applying complex textured surfaces, and rendering of the final image in a convincing environment with subtle lighting effects. Recent new advances in the quest for realism will be demonstrated, including convincing images of natural mountainous terrain, reflecting and refracting objects, and blurred objects in motion.

3:30 PM

Latest Video Games

Roger W. Amidon

There have been some experts questioning whether the Personal Computer would take over the dedicated game station approach. With the release of the Nintendo 64, the answer is a loud NO! See what this system can do, and learn how it's programmed - and what's in store for the next few years.

4:45 PM

Popular Paint Programs Revisited

Leonard Sragow

Old standbys such as Dr. Halo, PSP and Paintbrush have long been deemed esteemed tools which enable the klutziest among us to produce spectacular graphics. Even if you can't draw a wobble-free period, your pictures can be replete with resplendent colors, perfect shapes, lines, dazzling typography and calligraphy. You can also re-arrange and/or re-size any components until the final depiction represents precisely what you had in mind. Those interested in establishing a personal web page will find these programs an easy way to quickly get impressive images up there while struggling to master the mysteries and esoterica HTLMese. Bring formatted HD disks and if there's time, you can copy some really neat shareware stuff.

Internet

Communications Center, Room CM 107

10:00 AM

Yahoo! I Found It On The Net!

David Minster

The Internet offers access to vast amounts of information. Unfortunately, many Netsurfers feel lost, unable to find what they are looking for. We will review a number of Web based search engines, and discuss methods for finding the information that's important to you on the Net. Whether your search is for new software, old friends, personal interests, or competitive intelligence, there will be a little something for everyone as we search the net.

11:15 AM

Internet Access Using Cable

Niel Manheimer

Comcast North New Jersey is currently setting up cable Internet service which features high speed access to the Internet with up to 4 MB/sec capacity per user. This session will discuss the availability and features offered.

12:30 (two hours)

Beginners Guide To The Internet

Michael Siegel

The Beginners Guide to the Internet will be an informative talk for those interested in finding out more about the new world of on-line services. Live demonstrations of Internet activities will be included during the discussion. Learn what all those abbreviations are about, HTTP, FTP, TCP/IP, etc. Find out where to get FREE SOFTWARE, FREE SHAREWARE, FREE MUSIC FILES and much more. Find out how your children can do research for their school projects. See the places you can visit just by being on-line. These are available from almost any Internet service provider around the world.

3:30 PM

Internet for Senior Citizens

George Rakava

Cool homepages, discussion groups and many other opportunities for people older than 60. Easy access to the Internet.

4:45 PM

World Wide Web Page Marketing Basics

Ron Graham & Suzanna McGee

Creating a Page on the World Wide Web is not exactly brain-surgery. Having it say what you want it to say, the way you want it to say it, and to the audience you want it to say it to - that's somewhat more difficult. This talk will go over the fundamentals of creating the page (or having it created for you), making it right for your needs, and finding your audience.

Internet For Business

Communications Center, Room CM 110

10:00 AM

Doing Business on the Internet

James Coe

Jim will cover everything you need to know to determine whether your business will be one of the successes or failures, and to get you started with your business on the Internet. You will learn little-known marketing strategies and tools that will make your business successful in the new era of Internet commerce. You will learn: (1) The five big tools for Internet Marketing. (2) Why your business may FAIL without the Internet. (3) What is the REAL size of the Internet market? (4) The "BIG LIE" about the Internet and how to avoid it. (5) How to use the Internet to save BIG MONEY

11:15 AM

Building an Affordable Business Presence on the Internet

Joseph Wetterling

Mr. Wetterling covers both conventional advertising and more creative methods. Every technique is effective, easy to use, and, most importantly, 100% free. He covers effective use of search services, locating and designing a business home page, sending e-mail, and using newsgroups. Plenty of on-line resources will be given, including HTML manuals, business organization sites, free graphics and backgrounds, and on-line selling opportunities. A small segment will be dedicated to more costly business opportunities, including Web Malls and direct on-line sales.

12:30 PM

Getting Published on the Web

James Schaum

A discussion on publishing Web pages. The focus of this discussion is how to determine your goals and what tools there are available to help you meet those goals. I will start the discussion by listing some of the reasons that individuals or companies choose to publish on the Web and what formats are reasonable to use based on these pre-defined goals. I will follow with a discussion of some of the most popular tools available for publishing on the Web, starting with HTML, JAVA, and VRML, and working my way through development packages that generate one or more of those base codes.

1:45 PM

Marketing On The Internet

Rick Elbanna

Building websites and Marketing them, using the world wide web as a marketing tool for services and products.

3:30 PM

Bring A Homebased Business To the Internet

Steffan Gable

This session will feature STRAP-MATE, a web-based Internet marketing application. The presentation will be focused upon the various aspects of getting the site up and running and the actual experience of the year since TCF96. One of the reasons for attending TCF96 was to evaluate ISPs, software, marketing strategies, and cost. At TCF97 the speaker will share the year's experience and a model for bringing a home-based business into the Internet.

4:45 PM

Designing and Marketing an Electronic Commerce Website

Olivia Whiteman

Learn how to design an electronic website. The hardware and software needed to design the site. We will examine website and analyze what is good and bad about them and we will cover how to propagate your website with the help of various search engines.

Internet Basics

Communications Center, Room CM 108

10:00 AM to 2:45 PM

Introduction to the Internet (Video)

One hour presentation video shown continuously including Mosaic, FTP, Telnet, Gopher, Veronica and E-Mail.

3:30 PM

Latest Features in AutoCAD Release 14

Bill Klotz

Autodesk announced AutoCAD Release 14 on April 8th, 1997, and it is expected to ship within a month. This talk will feature a discussion of the latest enhancements to this industry standard product.

Computer Aided Design & Database

Liberal Arts Building, Room LA 229

10:00 AM (two hours)

AutoCAD R13 for Beginners & Novices

Peter Vanderhelm

This session will be a two hour tutorial for AutoCAD beginners and novices. The first hour will cover introductory topics with intermediate material being presented during the second hour.

12:30 PM

How to Use Your Database with Other Applications

Steffan Gable

This session will discuss how to use your data more effectively and in ways that are friendly. Having developed databases in multiple applications Steffen will discuss the principles of database management, how to extract information, using it to track changes, create specialized reports, export and import information into other software.

1:45 PM

AutoCAD in the Tool and Die Industry

Mike Rendas

This session will be a discussion of the use of AutoCAD in a tool and die business where AutoCAD is used exclusively in the design and fabrication of specialty tools and dies for customer applications. Various techniques and tips will be discussed.

3:30 PM (two hours)

Lotus Domino 4.5 Powered By Lotus Notes

Mike Barlow

If you are facing complex issues in the development and deployment of a website or groupware application then come and learn how Lotus Domino and Notes can help reduce time and costs involved in developing, deploying, and maintaining your application. Demonstrations of Lotus Domino Server run-

ning as a web server and a Notes application server will be given.

Desktop Publishing & Applications

Liberal Arts Building, Room LA 234

10:00 AM

Desktop Publishing Basics for Beginners

Walter Salm

Three industry experts provide nuts-and-bolts information on desktop publishing, laser and ink-jet printers, capabilities and performance vs. cost. We address elementary questions from neophytes, as well as people who already have equipment but don't really know what to do with it. We will address both hardware and software concerns.

11:15 AM

Desktop Publishing Basics for Beginners

Walter Salm

Repeat of previous session.

12:30 PM

Publishing a Newsletter Using MS Publisher

Dennis S. Furbush

Talk will give a brief review of Publisher, orientation of commands, discuss how to make templates, how to create styles, how to layout an article and font management. A demonstration will be made of using templates, filling with article text, creating headlines and special boxes for "blurbs" from the article to highlight interest.

1:45 PM

Word Processing and Typesetting

Neil Sanford

Word processors together with laser/ink jet printers have become so smart that they are really typesetters. Here is a presentation of the latest power houses unleashed on us by the current leaders, Microsoft (Word), Corel (Word Perfect 7), and Lotus (Word Pro).

3:30 PM

Introduction to MS PowerPoint for Windows

Henry Lopez

This session will be an overview of Microsoft PowerPoint 4.0 for Windows. Topics will include how to create powerful presentations with text, charts, graphs, art and using tools such as look wizards, templates, layouts, color and drawing.

4:45 PM

Word Processing Plus

Toby Riley

Every computer user has a favorite word processor, but how well do we know its many features, such as spelling checkers, grammar checkers, desktop publishing and merge commands, conversion capabilities, language translations, and Internet authoring features. We will review the wide world of processing words, beyond just word processing.

Systems Software & Operating Systems

Math/Science Building, Room MS 214

10:00 AM

PartionMagic™3.0 Reclaims Hard Disk Space

Dick Kellerman

Have you added a gigabyte hard drive and found it will not hold all the files you thought. You may be losing up to 40% of your hard disk space due to DOS clustering size. This talk will cover the cluster problem and other important hard disk organizing techniques that will make your system perform better and safer. The new features of PartionMagic™ 3.0 will be covered.

11:15 AM (two hours)

Linux for Newbies

Peter J. Fillingham

Linux, a UNIX clone for PCs, is becoming more popular as an alternative Operating System for DOS/Windows. This talk is intended as an introductory presentation.

1:45 PM

Network Computing

Kathy Genakos

Network computing is a concept introduced by Oracle Corporation using Oracle's Network Computing Architecture. This architecture promotes a common set of technologies that will allow all PCs, Network Computers and other client devices to work with all Web servers, database servers and application servers over any network. This talk will be given from a business perspective and will not focus on the technical details.

3:30 PM

Managing the Desktop with Windows

David Soll

Multitasking operating systems such as Windows 3.1, Windows 95, and Windows NT have created a new set of problems both for the home user and especially for corporate support personnel. Many of these problems can be managed (both locally on a stand-alone home machine and remotely on a networked machine) to eliminate certain classes of problems. Many of these problems are not readily recognized in the industry, though many hours are spent solving them. Mr. Soll will discuss the problem classes, trouble shooting techniques, and methods to prevent many of these problems.

4:45 PM

q-mail - A Sendmail Replacement for Your UNIX System

Russell Nelson

You've all heard about the latest sendmail security hole, haven't you? Isn't it about time you banished sendmail from your UNIX system? Now you can upgrade to a modern mail transport agent that's secure, reliable, efficient, easy to install and configure: qmail. It lets you do email hosting multiple domains. It lets users have multiple mailboxes without the need for a filter like deliver or procmail. I'll show you how easy it is to banish sendmail from your system, and your life.

Liberal Arts Building, Room LA 237

10:00 AM (two hours)

Introduction to C++

Greg Comeau

This session will be a two hour tutorial on C++, the most popular object-oriented computer language in use today. Greg will cover the most important features of the language and object-oriented programming including topics such as classes and inheritance.

12:30 PM

Easy CGI Scripting with TCL

Don Libes

Tired of static Web pages? Scripts provide the ability to handle forms, generate pictures, implement games, provide shopping carts, and all sorts of other tasks that require dynamic HTML pages. Learn how to use Tcl to write scripts to generate HTML dynamically. Tcl is free and is portable to Windows, MacOS, and UNIX.

1:45 PM

Automating Interactive Programs With Expect

Don Libes

Tired of typing the same thing day after day? Programs such as telnet, ftp, tip, and passwd can't be scripted in traditional ways. Using Expect, a free public-domain software package, it's possible to automate these programs and many others. Expect is great for testing interactive programs or using them in CGI scripts.

3:30 PM

Introduction to Object Programming

Brian Berenbach

What is an object? What is "OLE." These and other topics will be presented for the novice user of a PC. The talk will include a discussion of the modern desktop, how typical office packages work together, and how object technology is being used in a large organization. The discussion will include objects on the internet and intranet (including Java). Anyone who uses a PC for word processing or presentations will find the talk useful. No prior experience with computers is necessary to understand the presentation. Users will come away with an understanding of how software products talk to each other in a desktop computing environment, and the future of object technology at home and at the office.

4:45 PM

C++ Templates

Greg Comeau

Templating is a primary programming technique used when developing applications in C++ and other object-oriented languages. Greg will explain the features and benefits of using C++ templates in your C++ program development efforts.

Liberal Arts Building, Room LA 239

12:30 PM

Current State of Java Technology

Frank D. Greco

Frank will speak on the current state of Java development including development toolkits, user interface mechanisms, security, and the future directions of Java.

1:45 PM

Java vs. C++ - A Comparison

Dr. James F. Gimpel

The purposes of Java are quite different from the purposes of C++. C++'s intent is to supply a highly efficient language upward compatible with C (or as close to upward compatible as possible) supporting OOP and abstract types. The purpose of Java is to supply a safe language (safe from even deliberate or malicious tampering!) whose very object code is portable across machines. This meant that Java could not be upward compatible with C and was therefore free to abandon many of C's (and C++'s) traps and pit falls. The talk will discuss the numerous ways that Java differs from C++ and the apparent rationale for these linguistic decisions.

3:30 PM

Java: More than Coffee

David Moskowitz

Java, is it the latest fad or does it really mean business. This talk examines the myths and realities of Java. Where it is, where it might go, and how you can take advantage of it.

4:45 PM

Java Inheritance

David Moskowitz

Java is an object-oriented programming language. As such it provides the ability to reuse components. This session examines the Java inheritance model to help you be more productive with the language.

Math/Science Building, Room MS 211

10:00 AM

Computers and Major League Baseball

Ari Kaplan

Hear how Major League Baseball teams use computers for scouting and player development from baseball computer veteran Ari Kaplan. An often-humorous look at baseball history will be discussed, along with new and different ways of looking at baseball statistics will be presented.

1:45 PM

Future Directions in Windows NT

David H. Lynch, Jr. & George W. Deffendall

Microsoft released Windows NT 4.0 which features the same user interface as Windows 95. The speakers will discuss their impressions of the changes in Windows NT to date, expected changes and directions of Windows NT 5.0 due in 1998 and the expected impact on the business user.

3:30 PM

Network Hardware

Scott Vincent

As the cost of computer hardware has dropped, the once very specialized and expensive area of networking has become affordable even for use in the home. We will cover the various types of networks, the hardware needed for each type and how to configure and install a simple network. If you have more than one computer, come and see how inexpensive and easy it is to put them together on a network and increase the powers of both.

4:45 PM

Introduction to Local Networks

Michael Vartanian

Introduction to Local Area Networks. What are LANs, where does one use them, how to design them, and other related topics will be discussed. There will be a brief presentation of the various technologies of LAN hardware. Background of how LAN's work, where they fit into an organization, and what software is needed will be presented. As time permits, remote access and LAN to Internet connections will be discussed.

Engineering & Hardware

Math/Science Building, Room MS 205

10:00 AM

Software Tools for the RF Engineer

Gerald S. Harrison

A description of the various type of programs that aid the RF/Analog Engineer design high frequency circuits.

11:15 AM

GPS Geographical Position System—Never Get Lost Again

Raymond H. Lazinski

The U.S. Government has placed 24 Satellites at an altitude of 11,000 miles orbiting the earth. They transmit signals which enables anyone with an inexpensive receiver to know where they are within 200 feet any where on earth. The system will be described in detail and an explanation of how it works will be given. Two short video presentations will be given illustrating the systems practical aspects.

12:30 PM (two hours)

Polling People and Switches with your PC

James J. Barbarello

Jim will present a detailed explanation and demonstration of a low-cost, easy to build response polling device. Called PcPoller, its a hardware and software interface that allows instantaneous, concurrent polling of up to 36 individuals (or 324 separate switches). Each individual being polled selects a response from 0 to 9 with a handheld unit. The software gathers and saves the results, and displays it in histogram form (other analysis functions are available and will be demonstrated).

PcPoller can be used to give real-time tests (and do real time scoring) in an educational or other group setting. In addition, PcPoller can be used to monitor the status of up to 324 individual switches; great for home security and other such applications! Software will be available for purchase after the session.

3:30 PM (two hours)

Control the World With Your PC

Paul Bergsman

You can input data, and control real-world devices from any computer's parallel printer port. Paul Bergsman, the author of "Controlling The World With Your PC", will demonstrate some of the basic circuits, field your questions, and display several assembled, and tested, circuit boards, based on material in the book. This lecture is great for week-end hardware hackers, high school students looking for a computer controlled Science Fair Project, College students working on senior projects, and anyone interested in Robotics. (Attention is paid to computer controlled motors and sensors.)

Hardware & Technology

Math/Science Building, Room MS 210

10:00 AM

Modems in the Information Age

Cass Lewart

Cass will describe recent developments, applications and features of one of the most important data communication devices—the modem. Excerpting from his forthcoming book he will guide the PC user in making cost effective purchasing decisions by selecting intelligently between many types and features of various modems, software and services. Cass will also talk about modem installing and troubleshooting.

11:15 AM

Installation & Maintenance of Desktop Computers

John Hill

John will provide hints and guidelines for troubleshooting and installing desktop computers. He will show examples of diagnostic programs. There will be a question and answer period to resolve problems.

12:30 PM

Scanning, Image Processing, and Halftoning for Production on High Speed Photocopiers

Victor J. Belanger

Many of us thought that the availability of good scanners at modest prices meant that we could now include photos with the newsletters that we do as volunteers in clubs and organizations. After spending many hours overcoming the problems of getting the software to work and imbed graphics and images in our word processing files, less than satisfying results emerged as the newsletter was reproduced on the office photocopier. This talk focuses on the techniques of scanning, image processing, and halftoning that will produce optimum results even when using the most affordable reproduction method, the high speed photocopier. Topics covered include optimizing resolution, halftone screen frequency, and number of grayscale levels. Additional discussion of some of the common and more useful filters and features included in available image processing software.

11:15 AM (two hours)
Genealogical Computing
Speaker to be determined

Computers have changed the face of genealogy. This talk will discuss what to look for in genealogical software and sources of genealogical information to help you organize and expand your family tree.

1:45 PM
The Computer as an Investment Tool
Sheldon Koepf

The following topics will be covered: Portfolio Management, Investment Analysis, Investment Screening, Financial Planning, Analyzing Mutual Funds, Buying & Selling on-line, Information on-line, Using spreadsheets, Tax software. Examples of software & services available will be described and demonstrated. Rough costs of commercial material will be covered.

3:30 PM
Computer Mediated Focus Groups
Donald Egolf and Sondra Chester

The purpose of this presentation is to discuss the considerations necessary for running computer-mediated focus groups, and to compare and contrast these considerations with those made in running face-to-face groups. The discussion will be, in part, supported with references to actual case studies where computer-mediated focus groups were run in an effort to find solutions to the problem of retention faced by some colleges and universities, i.e., what can higher learning institutions do to retain the students that have matriculated.

Career Planning

Math/Science Building, Room MS 208

10:00 AM

What's Up: Computers & Kids in an Inner City High School
Liz Dunbar

"What's Up?" is a real question every day as teachers and students find ingenious ways to keep computers alive and well in a not-quite-so-typical Baltimore City high school with bleeding-edge technology and inner-city funding and support. The war stories and glories of how we cope and keep coming back for more make it clear that all is not lost in at least one inner-city public school.

11:15 AM
Search the Internet for Your Next Job!
Donald Hsu

The exploding global acceptance of Internet provides a new paradigm for job seekers. As a scientist or engineer, you have years of training and experience. You can search right now in the privacy of your own home or office for the next "dream" job. On-line registration to job fairs and company openings are becoming very popular. How do you position yourself? Maybe the "hot" field is "Java Developer," or is it "Intranet Analyst"? The speaker will provide several examples how you can get started right now! It is probably one of the most economical ways to find positions in 1997!

12:30 PM
Careers in Networking
Cyril Solomons

The presentation will discuss the impact of recent events—especially those related to Novell and Microsoft—on careers in networking.

1:45 PM
How to be a Successful Consultant
David Moskowitz

There is a difference between working for someone else and working for yourself. Not everyone should consider consulting. For those who do there are a lot of mistakes and pitfalls that await the unwary. For those who succeed, there is a great deal of satisfaction and reward. The workshop is designed to help existing consultants do it better, newcomers to get a successful start, and managers use consultants effectively.

3:30 PM
Stiff Necks and the Computer Professional
Julia Roman

Have you complained of neck/shoulder stiffness, low back pain or Carpal Tunnel Syndrome? I will talk about ways to reduce these problems. Handouts will be given.

4:45 PM
How To Make Money with Your Computer
Carl Galetti

The latest secrets on what it really takes to make money with your computer. Everything from low-tech to high-tech. Includes amazing success stories of how others are making BIG money on the Internet and World Wide Web and how you too can turn it into a profitable venture. Also, how some businesses are using the Internet and Web to add to their existing sales while others are generating all of their sales there.

Networking

Math/Science Building, Room MS 215

11:15 AM
Microsoft BackOffice
Robert H. Todd

The use of personal computers has expanded from the traditional desktop applications to cover all aspects of corporate computing. In reaching the areas traditionally served by mainframes, completely new technologies have had to be developed. Microsoft's answer to these challenges is their BackOffice suite of programs which are designed to operate in the mission critical part of the organization. Bob will identify each of the applications that make up the Microsoft BackOffice suite and discuss their interrelationships and characteristics and application to business problems.

12:30 PM
Networking a Small Business
George W. Deffendall & David H. Lynch, Jr.

The speakers will present issues that must be considered when planning and implementing a small to medium sized network for a business. Both single and multiple office networks will be discussed along with communication techniques.

1:45 PM
How Computers Hear

Robert Ely

This session will cover a simplified tour of how to convert sound and other analog information into digital form that can be used by a computer, viewed, edited, listened to, or used to control the computer or other external devices. We will show how this information is converted into digital form then converted back to analog form. This talk is for anyone interested in how computers do what they do internally.

3:30 PM
Common Modem Problems and Solutions

Steve Back

Steve will talk about some of the most common modem problems that affect the average Internet User. Why does your connection fail and what you can do about it. Drop offs, Retraining, Poor phone lines and how to trick Bell Atlantic into fixing them.

Introductory Sessions I

Math/Science Building, Room MS 207

10:00 AM

PC Hardware Basics for Beginners

Matthew Skoda

This session will consist of a basic explanation of PC hardware and hardware terms plus software requirements.

11:15 AM

DOS Basics

Gary Gorski

Gary will present DOS for beginners. He will cover an introduction to the do's and the don'ts of DOS.

12:30 PM

Getting Started with Word Processing on Microcomputers

Dr. Herman Hinitz

This session is designed for people who would like to use a personal microcomputer, and a word processing system as a "sophisticated typewriter" but are unfamiliar with how or where to begin. Appropriate examples will be used with WordStar and/or WordPerfect on an MS-DOS microcomputer.

1:45 PM

Building your Own IBM Compatible Computer

Michael Conlon

The speaker will demonstrate the construction of an IBM-compatible personal computer from circuit boards, a case, a power supply, a monitor, a keyboard, disk drives, and cables. Next, an operating system will be installed to demonstrate the success (or failure) of the installation. Several important considerations in selection and installation of computer components will be discussed.

Introductory Sessions II

Math/Science Building, Room MS 204

10:00 AM (two hours)

Introduction to Windows 95

Speaker to be determined

This session will consist of a two hour tutorial on the features of Windows 95 for beginners. Key windowing concepts

will be discussed including the taskbar and the desktop and ways of tailoring the system for use.

12:30 PM (two hours)

How to Buy a PC

Steven Orlando

Buying a computer can be a very confusing ordeal, with commissioned salesmen, acronyms, and a lot of confusing words. The purpose of this talk is to educate the first time computer buyer. To teach them some of the terminology, introduce some of the buying channels, and offer some practical tips. The first hour will concentrate on the PC itself with the second hour devoted to buying peripherals.

3:30 PM

Computing 001 for those Not Ready for Computing 101!

Lois Fitzpatrick

A session aimed at the new user with little or no experience. Computer concepts explained in a non-technical manner.

4:45 PM

Beginning Computer Basics

Burke Marby

This session will cover introductory material for persons just getting started in DOS and Windows. Elementary operations and key concepts will be discussed including things like the PATH statement and Environment variables as well as batch (.BAT) files.

Z-System & 8-Bit Conference

Math/Science Building, Room MS 172

(All Day - Times to be Determined)

CP/M and Z-System Conference

All Day Informal Sessions including

Z-System Software & New High-Tech CP/M Hardware

Harold F. Bower

Release of the D-X Designs' P112, a High-Tech Z182-based system with Flash ROM, Real-time clock and integrated peripherals, offered a new opportunity to test ZsDos Portability. Details of porting the B/P Bios and banked ZsDos2 to the P112 will be covered along with ongoing efforts to expand the OS and build an Oberon Compiler.

And

What's Doing in the World of 8-bit Computers

Marvin Auerbach

What is happening in the world of 8-bit Commodore computers including new programs and hardware. This talk will identify places to buy wanted items.

Amateur Radio License Testing

Math/Science Building, Room MS 132 & MS 170

Amateur Radio License Testing from 10:00 AM to 3:00 PM.

Last Test Starts at 2:00 PM

Walk in any time for all amateur radio examinations including the new no code technician class license. The testing fee is \$5.25. See "No Code Cram Session" for training materials and preparation. The test is a 55 question multiple choice examination. If you are unsure about being able to pass the test, take your best shot!

Amateur Radio

Math/Science Building, Room MS 164

10:00 AM (two hours)

No Code Amateur Radio Licensing Cram Session

This session will consist of a review of the questions from the FCC question pool used for the No Code Technician Class written examination.

12:30 PM

Introduction to Packet Radio

This talk will cover basic packet radio for those who are interested or are just getting started in packet radio.

1:45 PM

Amateur Radio Session—Advanced Topics

This will be a presentation of the many fascinating areas of amateur radio, including packet radio, satellites, radio remote computer control, amateur television and long distance short wave communications.

Applications & the Internet

Communications Center, Room CM 107

10:30 AM

Internet Explorer 3.0

Robert H. Todd

This session will be a presentation on the features and capabilities of Microsoft Internet Explorer 3.0 and how it interfaces to the Internet. Possible future extensions to Microsoft's Internet technology may be discussed.

11:45 AM

Microsoft Office 97

Robert H. Todd

Bob will discuss the latest Microsoft Office offering with the latest geegaws beyond Office 95, the most popular Office suite of desktop application programs in the industry. Currently almost 90% of all new office suites purchased are Microsoft Office in some form or other.

1:00 PM

World Wide Web Page Marketing Basics

Ron Graham & Suzanna McGee

Creating a Page on the World Wide Web is not exactly brain-surgery. See Saturday 4:45 PM session for details.

The Internet

Communications Center, Room CM 110

10:30 AM

Doing Business on the Internet

James Coe

Jim will cover everything you need to know to determine whether your business will be one of the successes or failures, and to get you started with your business on the Internet. See Saturday 10:00 AM session for details.

Math/Science Building, Room MS 165

(All Day—Times To Be Posted)

Amateur Packet Radio Sysop's Meeting

This forum will discuss issues surrounding the development and maintenance of amateur radio packet networks. It will provide the opportunity for system operators and other interested individuals to meet, swap ideas and plan these networks.

Packet TCP/IP Network Management

This session will be a discussion of issues and management of packet TCP/IP networking. Included will be a discussion of what parameters need to be set and what other standards need to be applied to make sure all stations work well within the net.

Packet NET ROM Network Management

This session will feature a discussion of NET ROM, a semi-proprietary packet technology, and the settings and parameters necessary for proper network operation.

11:45 AM

Building an Affordable Business Presence on the Internet

Joseph Wetterling

Mr. Wetterling covers both conventional advertising and more creative methods. See Saturday 11:15 AM session for details.

1:00 PM

Getting Published on the Web

James Schaum

A discussion on publishing Web pages. See Saturday 12:30 PM session for details.

2:15 PM

Internet for Senior Citizens

George Rakova

Cool homepages, discussion groups and many other opportunities for people older than 60. Easy access to the Internet.

Internet Video Presentation

Communications Center, Room CM 108

10:30 AM to 2:45 PM

Introduction to the Internet (Video)

One hour presentation video shown continuously including Mosaic, FTP, Telnet, Gopher, Veronica and E-Mail.

Miscellaneous Topics

Liberal Arts Building, Room LA 229

10:30 AM

Digital Photography - An Overview

Joseph Kennedy

Joe will cover a variety of methods of getting photographs into a computer.

11:45 AM

What's Up: Computers & Kids in an Inner City High School

Liz Dunbar

"What's Up?" is a real question every day as teachers and students find ingenious ways to keep computers alive and well in a

not-quite-so-typical Baltimore City high school with bleeding-edge technology and inner-city funding and support. The war stories and glories of how we cope and keep coming back for more make it clear that all is not lost in at least one inner-city public school.

1:00 PM

Stiff Necks and the Computer Professional

Julia Roman

Have you complained of neck/shoulder stiffness, low back pain or Carpel Tunnel Syndrome? I will talk about ways to reduce these problems. Handouts will be given.

2:15 PM

The Care and Feeding of Older Computers

Walter DeGroot

This session will cover elementary maintenance methods necessary to keep your older MS-DOS computer healthy as well as what software you may wish to look at as the rest of the world goes faster and "GUIe."

Applications

Liberal Arts Building, Room LA 234

10:30 AM

Typography and Publishing

Walter d'Ull

Walter will discuss the use of different typefaces for different purposes when preparing documents. He will discuss why different typefaces and sizes are used.

11:45 AM

Introduction to Oracle Databases

Ari Kaplan

Get an introduction to the world's most successful relational database: Oracle. What is Oracle? How does it work? What goes on internally in the database? How does one use SQL? These and other topics will be discussed.

1:00 PM

Label Programs Revisited

Toby Riley

Every computer user has a favorite word processor, but how well do we know its many features, such as spelling checkers, grammar checkers, desktop publishing and merge commands, conversion capabilities, language translations, and Internet authoring features. We will review the wide world of processing words, beyond just word processing.

2:15 PM

Popular Paint Programs Revisited

Leonard Sragow

See Saturday 4:45 PM session for details.

Programming with Windows

Liberal Arts Building, Room LA 237

10:30 AM

Introduction to Basic Programming (Part 1 Numeric Programming)

Alan Carmel

A tutorial on Numeric programming in BASIC for those new to programming and/or computers. The first session will cover how to call BASIC and show examples of various types of computations and calculations. Covers BASICA, GWBASIC and QBASIC, as well as generic BASIC. Subjects covered include Numeric Variables, Formatting Options, IF-THEN (ELSE), FOR-NEXT loops and mathematical operations. All materials are documented in a take-home handout.

11:45 AM

Introduction to Basic Programming (Part 2 String Programming)

Alan Carmel

A tutorial on text programming in BASIC for those new to programming and/or computers. The second session will cover strings, or the use of TEXT, in a computer program. Eight sample programs are used to demonstrate methods of manipulating text in a computer program. These are documented in a take-home handout. Persons who have never previously used BASIC should also attend the first session.

1:00 PM

Managing the Desktop with Windows

David Soll

Multitasking operating systems such as Windows 3.1, Windows 95, and Windows NT have created a new set of problems both for the home user and especially for corporate support personnel. See Saturday 3:30 PM session for details.

Hardware & Windows

Liberal Arts Building, Room LA 239

10:30 AM (two hours)

Control the World With Your PC

Paul Bergsman

See Saturday 3:30 PM session for details.

1:00 PM (two hours)

Introduction to Windows 95

Speaker to be determined

This session will consist of a two hour tutorial on the features of Windows 95 for beginners. See description of Saturday 10:00 AM session for details.

Computer Aided Design and User Groups

Communications Center, Room CM 109

10:30 AM (two hours)

AutoCAD R13 for Beginners & Novices

Peter Vanderhelm

This session will be a two hour tutorial for AutoCAD beginners and novices. See description of Saturday 10:00 AM session for details.

1:00 PM
Forming a Small User Group
Bill Farrell

Bill will discuss how to form and operate a small user group in a manner that does not overly tax the unlucky stiff who tries to build it in the first place. This will be an interactive session with contributions solicited from the audience. Bring your war stories.

User Groups I

Math/Science Building, Room MS 214

10:30 AM (two hours)

Macintosh Users Forum

Keith Sproul

This will be a meeting of Macintosh Users. Keith will present a brief overview of the latest offerings and happenings from and at Apple. There will be lots of demonstrations, as usual.

1:00 PM (two hours)

PC Users Group Forum

Jo-Anne Head

Bring your questions about PCs to this forum. We can talk about buying a PC, setting up your PC, using Windows95, using any software on Windows95, Netscape, web surfing, using e-mail, ftp and file transfers, DOS and Windows 3.1/3.11, computer games, WordPerfect, Word, AmiPro, you name it, we can talk about it. Newbie-friendly. Can train you in how to write HTML and create your own home page.

User Groups II

Math/Science Building, Room MS 215

10:30 AM

DEC Rainbow Users Group

Dr. Herman Hintz

Meeting of DEC Rainbow users and enthusiasts. Discussion of progress of incorporating and using DEC Rainbow as fully functional part of multi-user, multi-tasking 80386DX file server network operational system and environment; as well as other topics of mutual interest, such as Internet and E-Mail possible connection configurations.

11:45 AM

Why Belong to a User Group? Getting The Most From Your Macintosh

Allan Migdal

This talk will be an open discussion on the values of users groups and how user groups enhance your use of your Macintosh. Questions on technology, including Mac in a PC world integration will be discussed.

1:00 PM
The C64 and C128: Commodore's 8-bit Orphans
Marvin Auerbach

In the history of computers, there are many "orphans." These are computers no longer supported by their manufacturers. Most of them are of historical or "doorstop" value only today. But, two of the most popular computers: the C-64 and C-128 by Commodore Business Machines survive to the present day (outliving Commodore itself), with new products and resources still being developed for them. This talk will describe the C64/128 products and support available today.

User Groups III

Math/Science Building, Room MS 211

10:30 AM

Apple II Users Forum

Rolf Levenbach

While software is still being produced for the Apple IIGS, and many are still in schools, support for the Apple II line is hard to find. The talk will be an attempt to share the few resources still available, in the best tradition of user groups.

11:45 AM (two hours)

Atari 8-bit Users Forum

Robert Ely

Atari 8-bit computers still live! There are many new and exciting things happening in the Atari Classic (8-bit) world. Just check out the newsgroup comp.sys.atari.8bit! There are new products out, which include, games, utilities, and Atari 8-bit emulators for Windows95, Win3.1x, DOS, Mac, Amiga, and Atari ST. We will discuss events in the Atari 8-bit world. We will be demonstrating PC Xformer v3.0 (MS-DOS). This topic is for anyone who has an affection for one of the finest computers ever or those just interested to see what is still happening.

Amateur Radio License Testing

Math/Science Building, Room MS 132 & MS 170

Amateur Radio License Testing from 10:30 AM to 2:30 PM.

Last Test Starts at 1:30 PM

Walk in any time for all amateur radio examinations including the new no code technician class license. The testing fee is \$5.25. See "No Code Cram Session" for training materials and preparation. The test is a 55 question multiple choice examination. If you are unsure about being able to pass the test, take your best shot!

Roger W. Amidon

DX Computer Company

Roger Amidon has been involved with things electronic for over 30 years. One of the pioneers in the personal computer revolution, Roger worked for a gaming company, writing over 10 games for cartridge gaming systems, including the NES, GameBoy, Sega and GameGear. He is currently involved with the Internet and various types of telecommunication systems.

Marvin Auerbach

Bronx Users Group

Marvin Auerbach is a long-time user of Commodore 8-Bit computers (the C-64 and C-128). He is presently an officer in the Bronx Users Group (BUG), which, while it now supports multiple platforms (including MS-DOS and Amiga), was founded in 1983 as "BUG-64," one of the first C-64 user groups (and BUG's C64/128 support continues even today).

Steve Back

Castle Network

Steve is an engineer and has been working with the Internet since it was ARPAnet.

James J. Barbarello

Jim (JJ) Barbarello has been an author of electronics and computer articles since 1976, with most recent articles appearing in *Electronics Now* (Radio-Electronics) and *Popular Electronics*. Jim is an electronics engineer with a BSEE from the City College of New York, and an MS degree from Fairleigh Dickinson University. Jim is a past presenter at TCF and speaks regularly at professional seminars.

Mike Barlow

Stream International

Mike has been in the computer industry for 15 years, is currently Manager of Network Applications for Syntrex, Inc., Co-Chairperson of the Amateur Computer Group of New Jersey Mac Group and a Past Director of the Amateur Computer Group of New Jersey.

Victor J. Belanger

Linearizer Technology, Inc.

Victor has a BS in Physics from Aurora University and is currently Vice President and COO of Linearizer Technology, Inc. His background in the aerospace industry includes the Global Geospace Science, Landsat, Mars Observer and Space Station Programs. He has also maintained a longtime interest in computers, photography, and astronomy. He currently publishes an astronomy newsletter from which he gathers the experience for this presentation.

Brian Berenbach

Chairman, OOSIG, NJ IEEE

Brian Berenbach has been working with object technology for over 25 years. He has developed commercial OO products for the utilities and financial markets. Brian is currently the chairperson for the Object Oriented Special Interest Group (OOSIG) for the Princeton Chapter of the IEEE. He is currently

a domain specialist in object technology with DMR-TRECOM Business Systems, Inc.

Paul Bergsman

Philadelphia Area Computer Society

Paul Bergsman has been teaching Technology Education in the Philadelphia public schools for 25 years. He holds two patents related to Electro-Mechanical Locks, and working on a second book, (the first is *Controlling The World From Your PC*, now in it's 8th printing).

Brian Boccardi

Radio Amateur Telecommunications Society

Brian is an Amateur Computer Group of New Jersey and Radio Amateur Telecommunications Society (RATS) member. He is a holder of an Extra Class amateur license. And a past presenter at the Trenton Computer Festival in the last two years.

Harold F. Bower (WASJAY)

ZsDOS Development Team

Harold "Hal" Bower retired from the US Army in 1990. He built an 8008 computer in 1976 and has been building and programming CP/M and Z-Systems since 1983. He co-authored ZsDOS (1988) and Banked and Portable BIOS (1992).

Alan Carmel

Amateur Computer Users Group of New Jersey

Alan Carmel is a retired Avionics Consultant and pilot. He has 50 years experience in aviation radio and electronics (avionics) and has been a computer user for 19 years. He has been a member of Amateur Computer Group of New Jersey for more than ten years.

Sondra Chester

University of Pittsburgh

Sondra is an Instructor in the Communications Department at the University of Pittsburgh.

James Coe, Jr.

Global Entrepreneurs Network

Jim is CEO and founder of the Cellular Auditing Resources and has a B.S. in Electrical Engineering from Temple University. He has 15 years of direct-marketing, sales, management, telecommunications experience while working for AT&T and Digital Equipment Corporation. During his career he won several top level sales awards. He is a member of Global Entrepreneurs Network and the Industry Organization for Electronic Commerce. He is certified as Independent Internet Marketing Consultant, CIMC, for Global Entrepreneurs Network and a member of CyberSuccess Group International.

Greg Comeau

Comeau Computing

Greg Comeau is CEO of Comeau Computing, a software development firm specializing in C++ and C compilers and programmer tools. He is an internationally noted expert in C++, C and UNIX and has written numerous articles and made many presentations and lectures in C++ programming before a wide variety of audiences. He is a member of various C and C++

standards committees and a founder of the NYPC C and C++ SIG. His email address is comeau@comeaucomputing.com.

Michael P. Conlon

Slippery Rock University, Computer Science Dept.

Michael P. Conlon teaches Computer Science at Slippery Rock University. (Yes, there really is a Slippery Rock!) and holds a Ph.D. from Clarkson University. In previous lives, he taught high school mathematics in East Meadow, L.I., and was a professional photographer, a Hi-Fi technician, and an Amateur Radio Operator (N2EM). He enjoys sailing, carpentry, and almost anything electronic, and doesn't really know what he wants to be when he grows up.

George Deffendall

GraphNet Systems, Inc.

Computer Education Society of Philadelphia

George is Vice President of GraphNet Systems, Inc., has over twenty years as a microcontroller designer, holds several patents in the field of automatic control using microprocessors, and is a CAD and networking specialist. His degree is from Michigan State University. He is a Microsoft Certified System Engineer.

Walter DeGroot

Walter has been an electronic hardware technician for many years. He has been a PC computer technician since 1987 where he has been installing software and upgrading systems from the original PCs to the newest systems.

Douglas Dixon

David Sarnoff Research Center

Doug Dixon is a Technology Leader at the David Sarnoff Research Center in multimedia PC applications, and is active in the Princeton Chapter of ACM / SIGGRAPH and the IEEE Computer Society.

Walter d'Ull

Walter d'Ull is a New York attorney with a computer passion.

Liz Dunbar

Baltimore City College

Liz Dunbar has taught in the Baltimore City Public Schools and at Johns Hopkins since 1964. Her teaching has ranged from Latin to American Studies to computers to acting system administrator. A member of Hunterdon Computer Club and Baltimore SAGE, she has published poetry, articles on writing and computing, regular theatre reviews, and writing, English, and technology curriculum. Liz has been a featured speaker at writing and teachers' conferences, user groups, and poetry readings. In her spare time, she sails the Chesapeake Bay or drives to Wyoming with a tent and her retired greyhound.

Donald Egolf

University of Pittsburgh

Dr. Egolf is an Associate Professor of Communication at the University of Pittsburgh where he teaches courses in computer-mediated communication.

Rick Elbanna

On-line Marketing Network

Rick Elbanna has been a professional salesman for over 23 years.

Robert Ely

SONJ-DHS-New Lisbon Developmental Center

Jersey Atari Computer Society

Bob Ely is a Communications Systems Technician for the State of NJ+. He has worked in communications, in various forms, for over 20 years. Bob has worked with most of the PC types from Atari 8-bit to today's, Pentium systems, since 1981. He is active in Usenet news groups, especially comp.sys.atari.8bit. As a communications worker, Bob deals with the administration and installation of various types of voice and data systems as well as the setup and networking of PCs.

Bill Farrell

Amateur Computer Group of New Jersey

Bill has a machine shop in his garage where he produces specialty parts for industry using computer controlled machining equipment. He was a engineering manager at a major aerospace firm for many years. He is currently the president of the ACGNJ and the Publicity Coordinator of the Trenton Computer Festival.

Peter J. Fillingham

Amateur Computer Group of New Jersey

Peter Fillingham is founder and chairman of the LUNICS SIG of the Amateur Computer Group of New Jersey, a group comprised of Linux, UNIX, Free-BSX, HP-UX, AUX, AIX, etc. fanatics. Pete is retired from AT&T.

Lois Fitzpatrick

Amateur Computer Group of New Jersey

Involved with computers since 1988, Lois enjoys helping others learn about computers. She is usually the one her office co-workers will come to with software questions!

Dennis S. Furbush

Creative Computing Club

Dennis worked for Reader's Digest for twenty years in advertising research and has been retired for eleven years to devote time to computing. He is a member of the Creative Computing Club and The New York Amateur Computer Club.

Steffan Gable

Mercer County Community College

LG accessories

Steve has enveloped and implemented a number of database management applications. Applications included, recording of work hours and payment calculations to generate bi-weekly, monthly and annual reports. He modified data entry procedures, created standards for data input, developed a few automated process that enable one application that was taking two days to be reduced to two hours and the information accuracy improved by 60%.

Carl Galletti

PC Marketing

Carl is a long time PC user and entrepreneur. In 1976 he started Technical Design Labs which introduced the first Z80 based product for PCs as well as the first Z80 Basic Interpreter, first macro assembler and first linker for PCs. He is currently the owner PC Marketing, a company that specializes in marketing and direct response advertising.

Kathy Genakos*Schering-Plough Pharmaceuticals*

Kathy is a Human Resource Information Systems Manager at Schering-Plough Pharmaceuticals in Kenilworth, New Jersey. She has a B.S. in Management Science from Kean College of New Jersey, and is currently pursuing an M.S. in Management and Systems Analysis from Kean. Kathy was elected to Who's Who Among Students in American Colleges and Universities and is a member of The International Association for Human Resource Information Management.

Dr. James F. Gimpel*Gimpel Software*

Jim Gimpel is the founder and president of Gimpel Software, a firm specializing in tools for C and C++ programming. Jim is the leading architect in development of PC-lint, FlexeLint, C-terp, The C Shroud and BASTOC.

Gary Gorski

Gary is a LAN hardware administrator for a long distance company in New Jersey. He has been involved with computers for over ten years.

Ron Graham*GreyPilgrim LLC*

Ron Graham is Project Engineer for Robotics for start-up GreyPilgrim LLC, which makes the EMMA Robotic Manipulator. He has spoken at the last two Trenton Computer Festivals on Internet-related subjects. He has founded three Usenet newsgroups and authored numerous FAQs and Web pages, proving he has an opinion and is not shy about broadcasting it to the world.

Frank D. Greco*Java Users Group*

Frank is the Technical Director of the New York Personal Computer Users Group, Java Users Group Special Interest Group.

Gerald S. Harrison*E. E. Public Domain Library*

Gerald has over 40 years experience designing communications equipment. He is a founder of the Long Island Computer Association.

Jo-Anne Head*Amateur Computer Group of New Jersey*

Jo-Anne Head has been the chair of the Amateur Computer Group of New Jersey's PC User Group since January 1995. Currently she works at AT&T doing website design. Jo-Anne has worked with computers in their various permutations for 20 years. In the past she has taught Intro to PCs at Union County College and has done PC training.

John Hill*Philadelphia Area Computer Society*

John Hill has been a support specialist and instructor for 20 years with a leading Independent Service Company.

Dr. Herman Hinitz*Spectrum Micros, Inc.**DEC Rainbow Users' Group*

Dr. Hinitz is a member of the International Rainbow User's Group (IRUG), which has JIRUG, Rainbow News, and also has public domain software available (CP/M and MS-DOS, 8 bit and 16 bit). Dr. Hinitz has used diversified software and hardware in research, consulting and publications.

Donald Hsu*Dominican College*

Donald has been an author, a seminar leader, a scientist and an engineer before he becomes a business man. He has trained 4,000 professionals in the last 20 years in business, industry and universities. He is currently an Associate Professor at Dominican College and a Management Consultant with CEOs of US and Japanese firms.

Ari Kaplan*Oracle DBA Consultant*

Ari Kaplan has been both a full-time and consultant for the Baltimore Orioles, San Diego Padres, and Montreal Expos for over eight seasons. He is currently working with four additional teams to try to integrate their computer systems. Mr. Kaplan has been recognized for his formulation of new baseball statistics and has appeared on television, radio, and newspaper nationwide.

Eva Kaplan*St. Raphael School**Mercer County Community College*

Eva is known for her computer classes for pre-schoolers and early education years, is now also demystifying technology for the 50+ age set. She has published in the field. Eva runs a computer camp, "Computers and Kids". For information phone 609-898-1866.

Dick Kellerman*PowerQuest*

Dick is the User Group Evangelist for PowerQuest and has been working with user groups for over 14 years. He is a former president of the Pinellas IBM PC User Group in Tampa, Florida, now called the Tampa Bay Computer Society.

Joseph Kennedy*Amateur Computer Group of New Jersey*

Joe is the immediate past President of the Amateur Computer Group of New Jersey and has spoken at many of the past Trenton Computer Festivals. He manages the import of materials for Hols Corporation's U.S. operation.

Bill Klotz

Bill is a seventy-seven year old semi-retired electrical power engineer who can still show the younger engineers a trick or two in the use of AutoCAD to support electrical engineering planning and support projects. Bill is up to the latest AutoCAD technology having been a beta tester for the latest release of AutoCAD due late this spring or early this summer.

Sheldon Koepf

Amateur Computer Group of New Jersey

Sheldon is the Amateur Computer Group of New Jersey Investment Special Interest Group Chairman. He has been investing for 44 years and has been working with computers for 41 years. He has a B.A. in Chemistry from Rutgers.

Raymond H. Lazinski

Wyncote Instrumentation Company

Raymond is a Professional Engineer, with BEE and MSEE degrees from the Moore School of Electrical Engineering of the University of Pennsylvania. He holds credits toward a doctorate at the University of Pennsylvania. He is a senior member of IEEE, ISA and SME. He is the former chairman of the Automatic Control Group, Philadelphia Section of the IEEE. He has 20 years experience in digital control systems.

Rolf Levenbach

Amateur Computer Group of New Jersey

Rolf has been a computer consultant for several public and private schools for over 10 years, and supports Apple II computers as well as Macs and PCs. He is an adjunct professor in the Interactive Telecommunications Program at NYU.

Cass Lewart

Cass Lewart is an electrical engineer and a long time computer hobbyist. He is the author of 8 books and numerous articles relating to personal computers, database programming and data communication. He is currently writing a book about modems.

Don Libes

National Institute of Standards and Technology

Don Libes (<http://www.nist.gov/msidstaff/libes>) is a computer scientist at the National Institute of Standards and Technology. Don has written over 75 computer science papers and articles including three books: *Life With UNIX*, *Obscured C and Other Mysteries*, and *Exploring Expect: A Tcl-Based Toolkit for Automating Interactive Programs*.

Henry Lopez

NYNEX

Henry is a staff director at NYNEX. He has a B.S. in Computer Science from Fairleigh Dickinson University. He has presented at Trenton Computer Festival since 1985, and teaches a variety of computer courses. Henry (N2MSS) is also an Amateur Radio Operator who is very active with the VHF/UHF aspect of the hobby.

David Lynch, Jr.

David Lynch Associates

Computer Education Society of Philadelphia

Dave is an architect and business manager at David Lynch Associates, an architectural firm in Lancaster, Pennsylvania, and the principal of DLA Systems, a computer networking firm. He holds an architecture-related degree from RPI. He is also a Microsoft Certified Systems Engineer.

Niel Manheimer

Comcast On-line Communications in New Jersey, Inc.

Neil is the general manager of Comcast On-line Communications in New Jersey a cable television firm which is in the

process of installing cable access to the Internet for its customers in northern New Jersey. Currently available in only a few communities, Comcast expects most of northern New Jersey to have cable Internet access within a very few years.

R. Burke Mawby

Burke has a BSME from Drexel University, learned Computers at West Point, is a past Director of the ACGNJ, has been a small business owner for 22 years and is a professional consultant in real estate for the past four years.

Suzanna McGee

The College of New Jersey (formerly Trenton State College)

Suzanna is a computer analyst and Webmaster for the College of New Jersey, where she is developing an interactive web site for educators who wish to continue their professional development.

Allan J. Migdal

Princeton Mac Users Group

Allan has been a Mac hobbyist since 1988; a D.P. professional since 1969 and has been involved with Users Groups since 1982.

David Minster

Elizabeth Arden North America

David is the Director of Business Systems Planning for Elizabeth Arden North America. He has worked for Multinational Unilever now for 10 years. He holds a degree in Computer Engineering from The Ohio State University, and holds an Extra Class Amateur Radio license (NA2AA). This will be Minster's fourth time speaking at the TCF.

David Moskowitz

Productivity Solutions, Inc.

David Moskowitz is president of Productivity Solutions, Inc., a Norristown based consulting firm that helps its clients use new and emerging technology in business. David has been a speaker at the Trenton Computer Festival for 15 years and his sessions are always well attended.

Russell Nelson

Crynwr Software

Russell has a BSEE and an MSEE from Clarkson University. He is currently a software development engineer doing DOS/Internet consulting and writing packet drivers. Russell owns and operates Crynwr Software, which sells packet driver support.

Steven Orlando

Amateur Computer Group of New Jersey

Steven Orlando has been working with computers for a long time, both PC and MAC. He worked as a chemist for Schering-Plough Corporation, where he used computers often. He worked at both Computer City and at Comp USA as a computer salesperson. He worked for IBM as a help desk agent. He currently works for a photo-gift store, where he generates computer images and transfers them to various materials, such as mouse pads. He is also studying to be a high-school chemistry teacher, and plans to integrate computers into his teaching methods.

Jeff Posdamer

David Sarnoff Research Center

Jeff is a member of the technical staff at Sarnoff and is very active in the computer graphics area.

George Rakova

Chorn International Inc.

George is a senior citizen from Springfield, NJ. He was born in Russia. His previous occupation was electrical engineering.

Mike Rendas

Rendas Tool Corporation

Mike is a mechanical Professional Engineer and teacher of AutoCAD at Middlesex County Vocational Technical Adult School. He manages and runs the plant and runs AutoCAD exclusively at the plant. He has an MSME and other degrees too numerous to mention.

Winston "Toby" Riley III

Riley Systems Corporation

Amateur Computer Group of New Jersey

Toby Riley is a globe-trotting computernik with long experiences with computer usage, user group management, and applications development. Besides, he actually enjoys computers, as well as computer people and users.

Julia Roman

Hamilton Massage Therapy

Julia graduated from the Pennsylvania School of Muscle Therapy 1994, passed National Certification Exam 1995, and opened practice in Bordentown New Jersey in 1994 before moving to her present Hamilton Sq. location in 1996. She was a massage therapist for 1996 Paralympic Games in Atlanta and is a member of the American Massage Therapy Association since 1994, with a specialization in sports massage and geriatric massage, as well as general therapeutic massage.

Walter Salm

U. S. Tech

Industry panel of three includes moderator Walter Salm, an 11-year veteran of desktop publishing, who, as editor of U.S. Tech, uses the latest laser technology to produce a monthly trade tabloid. Walter has been an active writer in the electronics industry for 40 years, and has been actively involved in testing and writing about computers and computer technology since 1980.

Neil Sanford

Amateur Computer Group of New Jersey

Neil was the Amateur Computer Group of New Jersey newsletter editor on and off since 1984, the production manager for MicroSystems Journal and has attended special sessions on word processing at both Microsoft and WordPerfect corporate headquarters. He is a member of TCF publicity committee, and has been a beta tester for Xerox's Ventura Publisher, WordPerfect, Microsoft Word, Lotus WordPro, OS/2, and Windows 95.

James Schaum

SmallTech

Jim has worked with computers for more than 10 years. Most of his work has been in the area of systems administration and support. He has recently decided to go out on his own into

consulting, and is focusing on Windows NT, Windows 95, and all Web based technologies.

Michael M. Siegel

ABC TV Network New York

Michael M. Siegel has a Masters Degree in Computer Engineering. He has taught computer and Internet fundamentals for many years. Many Internet Service providers in the New York area have employed his teaching skills. Besides his computer activities he is employed as a Post Production editor for the ABC-TV Network. As an editor he has been honored with a Peabody Award in Journalism, eight National Emmy Awards, along with many other honors.

Matthew Skoda

Amateur Computer Group of New Jersey

Matthew has been using personal computers for more than 12 years for business and personal usage. He has been an active member of Amateur Computer Group of New Jersey for 10 years.

David Soll

Omicron Consulting

David is the Vice President of Advanced Technology for Omicron Consulting, a Philadelphia computer consulting firm with over 100 employees. He has been developing desktop management techniques for the past 5 years and has successfully deployed them to a number of Fortune 500 companies.

Cyril Solomons

Harrison Associates

Cyril has been involved in computers and education for over 20 years—mostly as a consultant and in networking. He was a co-founder of the Philadelphia Area Computer Society and a president of PANUG, and was certified as a CNE and CNI in 1989.

Keith Sproul

Amateur Computer Group of New Jersey

Keith has been the Chairman of the Amateur Computer Group of New Jersey Mac Users Group since 1985, and an Amateur Computer Group of New Jersey member since 1980. Keith supports networks for Rutgers University. Keith is an Amateur Radio operator with call WU2Z.

Leonard Sragow

New York Amateur Computer Club

Leonard is a business owner, actor, substitute teacher and computer buff.

Robert H. Todd

GraphNet Systems, Inc.

Computer Education Society of Philadelphia

Amateur Computer Group of New Jersey

Bob is president of the Windows NT User Group, a systems engineer with twenty-five years plus experience in real-time embedded systems, trajectory simulations and performance analysis, and networking consultant. He has been a member and former president of the Amateur Computer Group of New Jersey since late 1975, a founding member of PACS and a founding member and past vice president of PHUG (now called CESoP). He has a BS in Math and an MBA in Finance, Operations Re-

search and Management Sciences. He is a Microsoft Certified Systems Engineer and certified as Specialist in Microsoft Office and BackOffice. An Amateur Radio operator (call N3JEX, Bob) is the Speaker Program Coordinator at the Trenton Computer Festival for the umpteenth year.

Peter Vanderhelm

Peter is a mechanical designer for Instruments SA and deals mainly with electrical and mechanical design and works heavily with AutoCAD Release 13.

Michael Vartanian
Vanguard Group

Mike has over fifteen years experience in LANs. He is presently a Network Analyst at a major financial firm that has several thousand LAN connections. His prior experience is in Fortune 200 manufacturing. He has taught courses on LANs and WANs at several universities.

Scott Vincent

Amateur Computer Group of New Jersey

Scott has been in customer service for 24 years in the field of office machine troubleshooting and maintenance. He has had his own business building, installing and supporting microcomput-

ers and networks for numerous colleges and corporations in northern NJ. Currently he is a consultant with a subsidiary of IBM. He is also on the Board of Directors for the Amateur Computer Group of New Jersey and is the Trenton Computer Festival Director.

Joseph Wetterling

Independent Technology Consultant & Trainer

Joseph Wetterling is an independent technology consultant and trainer, working in Hamilton, NJ. He specializes in the effective use of computer technology in business and educational settings. Mr. Wetterling is currently pursuing certification with CompTIA.

Olivia Whiteman

Cakewalk Consulting

New York Amateur Computer Club

Olivia Whiteman is President of Cakewalk Consulting. She is an electronic commerce marketing expert. She is also the founder of the Java Users Group, a Special Interest Group under the New York Amateur Computer Club and teaches webdesign, HTML and Internet courses at Pratt, SVA, Webgirls and to corporate clients.

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The CESOP workshops are held on the 2nd Saturday and the 4th Thursday of each month in the Community Room at the 7th Police District in Philadelphia. The station is located in at Bustleton Ave and Bowler St. The entrance to the Community Room is on the Bowler Street side. Workshops are FREE to MEMBERS.

Non members may attend one workshop session with this ad without any obligation to join.



Princeton Chapters of the ACM and IEEE Computer Society



The Princeton Chapters of the ACM and IEEE Computer Society have been sponsoring joint professional activities in this area since 1980. Our mission is to encourage the professional development of the local computing community, through activities including joint monthly meetings which are free and open to the public at large and inexpensive semi-annual professional development seminars. We also have supported the Trenton Computer Festival since the early 1980's, especially by sponsoring the Computer Graphics Film Show and tutorial sessions.

Our primary focus is on providing a source for keeping up with leading edge technologies and concepts in computing. Our joint monthly meetings are held throughout the academic year, usually at 8 PM on the third Thursday of the month at the David Sarnoff Research Center in Princeton N.J.

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KGP'S Computer Show Schedule



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| May 3
Sat. 10-4
Great new hall! | Methuen, MA - Valley Expo Center - fabulous new exhibit hall in Methuen Mall - 50,000 Sq. Ft.
Minutes off I-93, 15 miles North of Downtown Boston and ten minutes from Shiner's Auditorium
North of I-95, use I-93 Exit 48 to Route 213 Exit 4 or take I-495 Exit 47 to Route 213 Exit 4-Mall on right |
| May 10
Sat. 10-4 | Wayne, NJ - William Paterson College - Recreation Center - Over 30,000 Sq. Feet of vendors!
300 Pompton Road - Near I-80, Rtes. 46 and Rtes. 23 - Check our web page for directions |
| May 17
Sat. 10-4 | Pennsauken, NJ (near Cherry Hill) - the South Jersey Expo Center - Over 50,000 Square Feet
NJ Tpke. Exit # 4 - to Rte. 73 North, then u-turn at Rte. 130 to Rte. 73 South - Near Phla. Bridges |
| June 7
Sat. 10-4 | Fort Washington, PA - Fort Washington Expo Center - Near Philadelphia - 50,000 Sq. Feet
Pennsylvania Turnpike Exit #26, 1/4 mile past toll turn right at first light and follow signs |
| June 14-15
Sat. & Sun. 10-4 * | Edison, NJ - New Jersey Convention Center - in the Raritan Center - 120,000 Square Feet
Largest PC Show & Sale in US! - Exit 10 of New Jersey Turnpike - right after toll & follow signs |
| June 21
Sat. 10-4 | Marlborough, MA - Royal Plaza Trade Center - west of Boston - 50,000 sq. feet of dealers
I-495 Exit # 24-B - 5 miles North of Mass Pike - After exiting, 1/2 mile on the right on Rte. 20 |
| July 26
Sat. 10-4 | Pennsauken, NJ (near Cherry Hill) - the South Jersey Expo Center - Over 50,000 sq. feet
NJ Tpke. Exit # 4 - to Rte. 73 North, then u-turn at Rte. 130 to Rte. 73 South - Near Phla. Bridges |
| August 2
Sat. 10-4 | Marlborough, MA - Royal Plaza Trade Center - west of Boston - 50,000 square feet of vendors!
I-495 Exit # 24-B - 5 miles North of Mass Pike - After exiting, 1/2 mile on the right on Rte. 20 |
| August 2
Sat. 10-4 | Hackensack, NJ - FDU/Rothman Center - near Geo. Wash. Bridge to NYC - 40,000 Sq. Feet
Rte. 4 to Hackensack Avenue South - 1/2 mile and turn left at first light onto Temple Ave. |
| August 9
Sat. 10-4 | Fort Washington, PA - Fort Washington Expo Center - Near Philadelphia - 50,000 Sq. Feet
Pennsylvania Turnpike Exit #26, 1/4 mile past toll turn right at first light and follow signs |
| August 16
Sat. 10-4
Great new hall! | Methuen, MA - Valley Expo Center - fabulous new exhibit hall in Methuen Mall - 50,000 Sq. Ft.
Minutes off I-93, 15 miles North of Downtown Boston and ten minutes from Shiner's Auditorium
North of I-95, use I-93 Exit 48 to Route 213 Exit 4 or take I-495 Exit 47 to Route 213 Exit 4-Mall on right |
| August 23-24
Sat. & Sun. 10-4 * | Edison, NJ - New Jersey Convention Center - in the Raritan Center - 120,000 Square Feet
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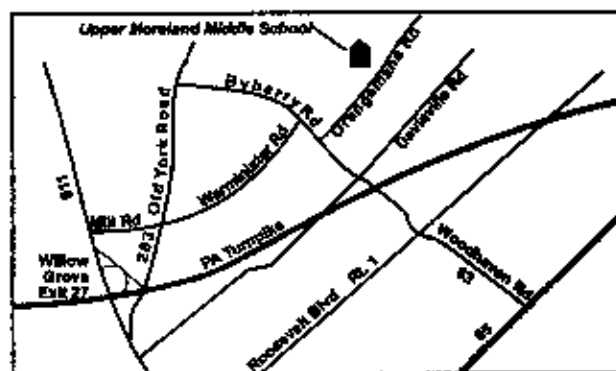


Philadelphia Area Computer Society

PACS is the Philadelphia Area Computer Society—the area's largest computer user group. We support many computer platforms, operating systems, applications, and disciplines, including: IBM, Macintosh, OS/2, MS-DOS, Unix, Windows, Paradox, Word, desktop publishing, multimedia, family computing and others.

Members come from all age groups, and from diverse backgrounds; their interests are many and varied. All levels of experience are welcome, from novice to expert. PACS has something of interest to offer every computer user.

PACS meets at the Upper Moreland Middle School, 4000 Orangeman's Road in Hatboro, PA on the third Saturday of each month. Individual special interest groups meet throughout the day from 8 a.m. until 2 p.m.



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Computer Club Inc.	G	400;401
Computer Language Co	SC2	900
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Cornerstone Lab Inc.	SC2	917;977
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Erm/Crazy Bob's	G	100;200
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Erwin Computers	SC2	913
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Future Power Co Inc.	SC2	914
International Computing Group Inc.	G	508
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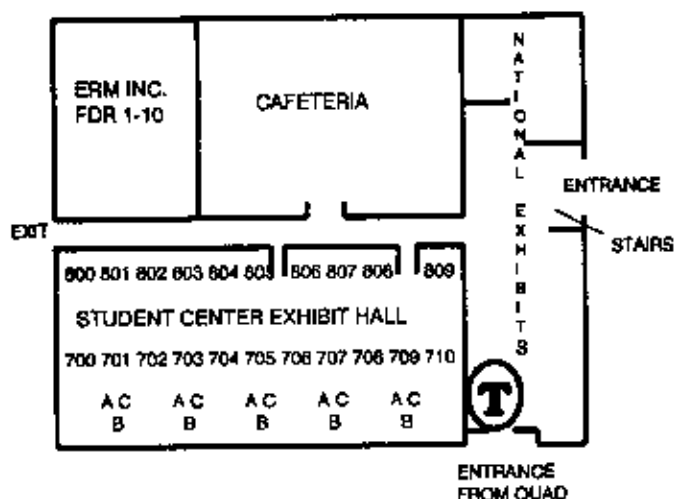
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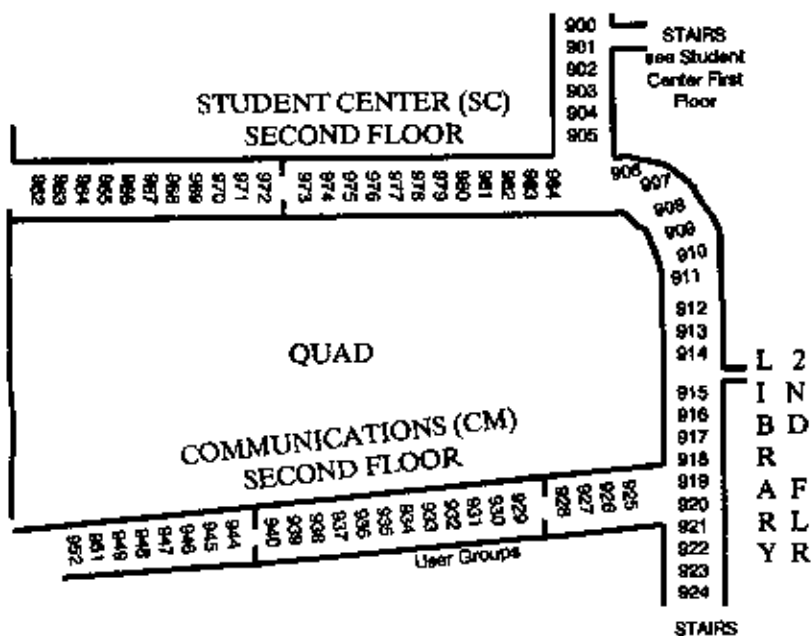
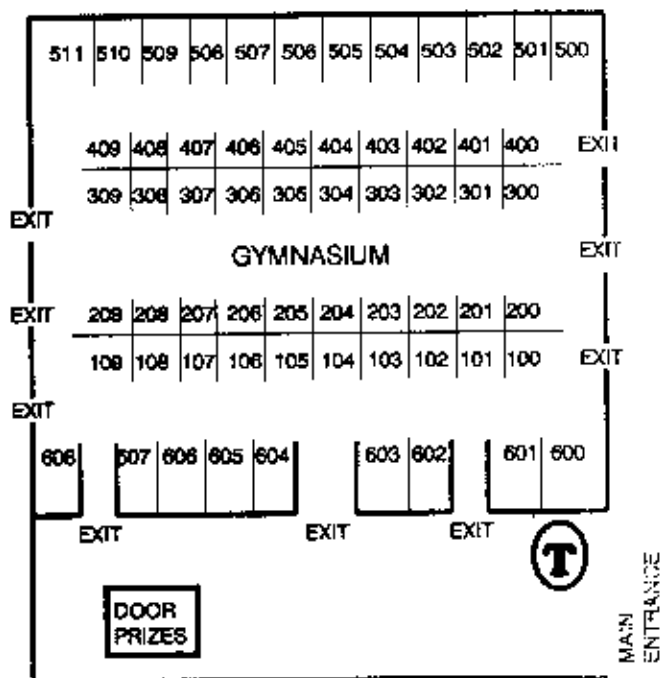
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COMMUNICATIONS (CM) FIRST FLOOR LOBBY



MERCER COUNTY COMMUNITY COLLEGE

